

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P791721

Luminaire Tested: LER6D30D010-EC6DR7020359027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR7020359027-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5709.7 lumens
Efficiency: N/A
Efficacy: 196.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

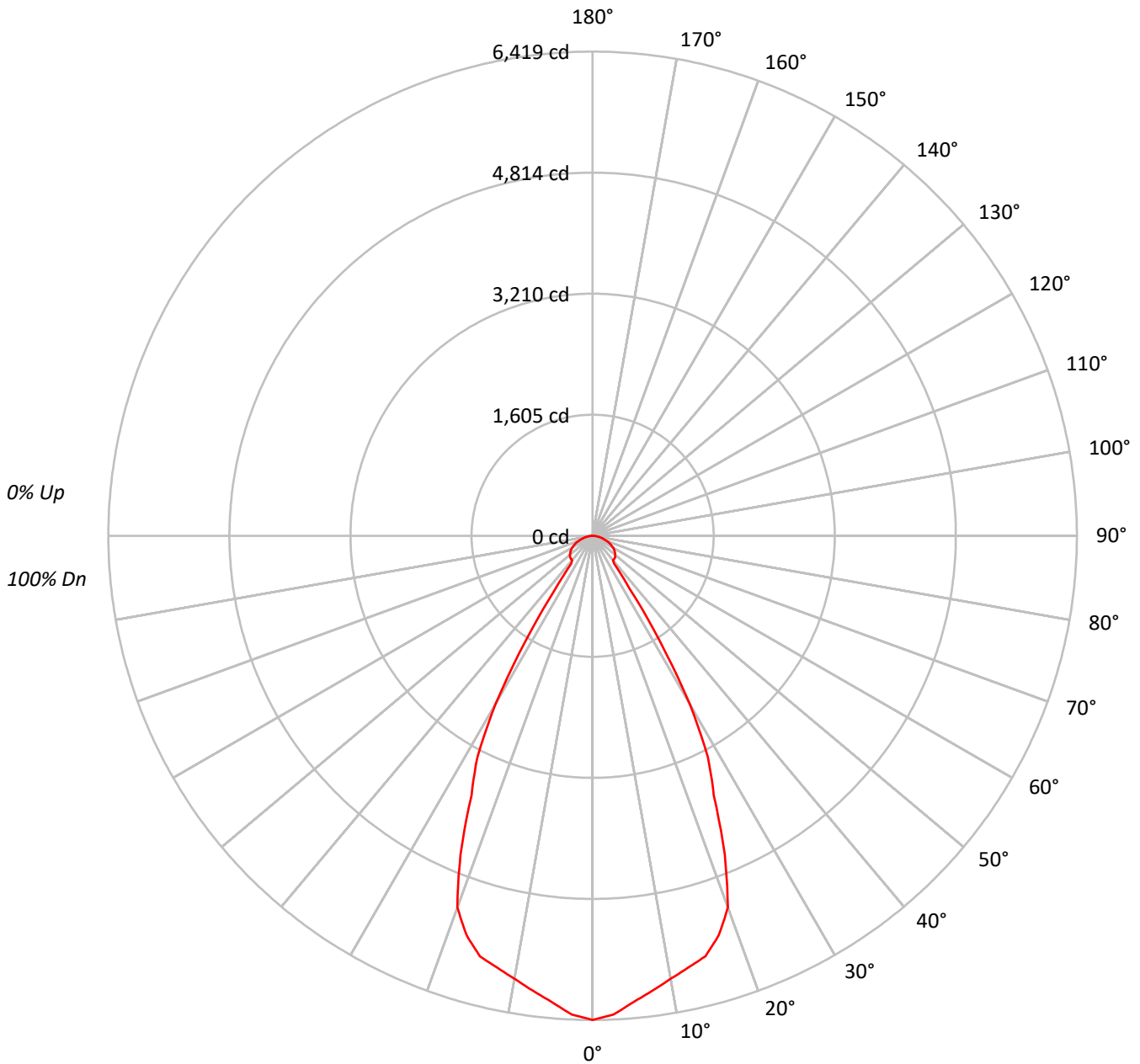


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	701378
5°	680542
10°	661573
15°	652889
20°	609665
25°	458016
30°	323773
35°	114682
40°	60304
45°	64233
50°	66513
55°	67757
60°	68179
65°	66753
70°	62997
75°	58341
80°	51784
85°	41996

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 68204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.3	10.3
10°-20°	1605.3	28.1
20°-30°	1768.0	31.0
30°-40°	675.5	11.8
40°-50°	319.0	5.6
50°-60°	317.1	5.6
60°-70°	253.9	4.4
70°-80°	145.9	2.6
80°-90°	39.6	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3958.6	69.3
0°-40°	4634.1	81.2
0°-60°	5270.2	92.3
0°-90°	5709.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5709.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6419	
5°	6205	585
15°	5772	1605
25°	3799	1768
35°	860	676
45°	416	319
55°	356	317
65°	258	254
75°	138	146
85°	34	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6419.3
2.5°	6352.2
5°	6204.9
7.5°	6081.9
10°	5963.0
12.5°	5862.4
15°	5771.9
17.5°	5553.4
20°	5243.4
22.5°	4574.6
25°	3799.2
27.5°	3307.2
30°	2566.3
32.5°	1657.7
35°	859.8
37.5°	464.5
40°	422.8
42.5°	419.8
45°	415.7
47.5°	406.5
50°	391.3
52.5°	374.0
55°	355.7
57.5°	335.4
60°	312.0
62.5°	285.6
65°	258.2
67.5°	227.7
70°	197.2
72.5°	166.7
75°	138.2
77.5°	108.8
80°	82.3
82.5°	57.9
85°	33.5
87.5°	13.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)